

Refine Search

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Terms	Documents
L1 same (L-amino acid)	11

Database:

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US Patents Full-Text Database
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EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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DATE: Monday, May 03, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
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<u>L1</u>	carbamoylase	77	<u>L1</u>

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L2: Entry 6 of 11

File: USPT

Dec 2, 2003

DOCUMENT-IDENTIFIER: US 6656710 B2

TITLE: Process for the production of amino acids using racemase and acylase

Brief Summary Text (37):

Further acylases that may be used for the reaction are described in the following literature citations: Wakayama M, Yada H, Kanda S, Hayashi S, Yatsuda Y, Sakai K, Moriguchi M, Role of conserved histidine residues in D-aminoacylase from *Alcaligenes xylosoxydans* subsp. *xylosoxydans* A-6, *Biosci. Biotechnol. Biochem.* 2000 Jan;64(1):1-8; Wakayama M, Hayashi S, Yatsuda Y, Katsuno Y, Sakai K, Moriguchi M., Overproduction of D-aminoacylase from *Alcaligenes xylosoxydans* subsp. *xylosoxydans* A-6 in *Escherichia coli* and its purification, *Protein Expr. Purif.* 1996 Jun;7(4):395-9; Wakayama M, Katsuno Y, Hayashi S, Miyamoto Y, Sakai K, Moriguchi M., Cloning and sequencing of a gene encoding D-aminoacylase from *Alcaligenes xylosoxydans* subsp. *xylosoxydans* A-6 and expression of the gene in *Escherichia coli*, *Biosci. Biotechnol. Biochem.* 1995 Nov;59(11):2115-9; Wakayama M, Ashika T, Miyamoto Y, Yoshikawa T, Sonoda Y, Sakai K, Moriguchi M.; Primary structure of N-acyl-D-glutamate amidohydrolase from *Alcaligenes xylosoxydans* subsp. *xylosoxydans* A-6, *J. Biochem. (Tokyo)*. 1995 Jul;118(1):204-9; Chen HP, Wu SH, Wang KT., D-Aminoacylase from *Alcaligenes faecalis* possesses activities on D-methionine, *Bioorg. Med. Chem.* 1994 Jan;2(1):1-5; Moriguchi M, Sakai K, Miyamoto Y, Wakayama M., Production, purification, and characterization of D-aminoacylase from *Alcaligenes xylosoxydans* subsp. *xylosoxydans* A-6, *Biosci. Biotechnol. Biochem.* 1993 Jul;57(7):1149-52; Yang YB, Hsiao KM, Li H, Yano H, Tsugita A, Tsai YC, Characterization of D-aminoacylase from *Alcaligenes denitrificans* DA181, *Biosci. Biotechnol. Biochem.* 1992 Sep;56(9):1392-5; Tsai YC, Lin CS, Tsen TH, Lee H, Wang YJ, Production and immobilization of D-aminoacylase of *Alcaligenes faecalis* D for optical resolution of N-acyl-DL-amino acids, *Enzyme Microb. Technol.* 1992 May;14(5):384-9; Batisse N, Weigel P, Lecocq M, Sakanyan V., Two amino acid amidohydrolase genes encoding L-stereospecific carbamoylase and aminoacylase are organized in a common operon in *Bacillus stearothermophilus*, *Appl. Environ. Microbiol.* 1997 Feb;63(2):763-6; Yang YB, Hu HL, Chang MC, Li H, Tsai YC, Purification and characterization of L-aminoacylase from *Alcaligenes denitrificans* DA181, *Biosci. Biotechnol. Biochem.* 1994 Jan;58(1):204-5; Jakob M, Miller YE, Ro KH, Cloning and sequence analyses of cDNAs encoding aminoacylase I from porcine kidney, *Biol. Chem. Hoppe Seyler.* 1992 Dec;373(12):1227-31; Mitta M, Ohnogi H, Yamamoto A, Kato I, Sakiyama F, Tsunasawa S., The primary structure of porcine aminoacylase I deduced from cDNA sequence, *Biochem. (Tokyo)*. 1992 Dec;112(6):737-42; Bommarius AS, Drauz K, Klenk H, Wandrey C., Operational stability of enzymes. Acylase-catalyzed resolution of N-acetyl amino acids to enantiomerically pure L-amino acids, *Ann. N Y Acad. Sci.* 1992 Nov 30;672:126-36; Gentzen I, Löffler HG, Schneider F., Aminoacylase from *Aspergillus oryzae*. Comparison with the pig kidney enzyme, *Z. Naturforsch. [C]*. 1980 Jul-Aug;35(7-8):544-50.

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Search Results - Record(s) 1 through 11 of 11 returned.☐ 1. Document ID: US 20040043459 A1**Using default format because multiple data bases are involved.**

L2: Entry 1 of 11

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040043459

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040043459 A1

TITLE: Process for the production of amino acids

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bommarius, Andreas	Atlanta	GA	US	
Drauz, Karlheinz	Freigericht		DE	
Verseck, Stefan	Hanau		DE	

US-CL-CURRENT: [435/106](#); [435/170](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030175910 A1

L2: Entry 2 of 11

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175910

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030175910 A1

TITLE: Whole cell catalyst

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Altenbuchner, Josef	Nufingen	GA	DE	
Bommarius, Andreas	Atlanta		US	
Mattes, Ralf	Stuttgart		DE	
Syldatk, Christoph	Stuttgart		DE	
Tischer, Wilhelm	Peissenberg		DE	
Wiese, Anja	Eching		DE	
Wilms, Burkard	Stuttgart		DE	

US-CL-CURRENT: [435/106](#); [435/228](#), [435/252.33](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20030143244 A1

L2: Entry 3 of 11

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143244

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143244 A1

TITLE: Arthrobacter D-carbamoylase and methods of preparing enantiomerically enriched D-amino acids

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Drauz, Karlheinz	Freigericht	GA	DE	
May, Oliver	Frankfurt		DE	
Bommarius, Andreas	Atlanta		US	
Syldatk, Christoph	Stuttgart		DE	
Altenbuchner, Josef	Nufringen		DE	
Werner, Markus	Weinsberg		DE	
Siemann-Herzberg, Martin	Wildberg		DE	

US-CL-CURRENT: [424/190.1](#); [435/196](#), [435/252.3](#), [435/320.1](#), [435/69.3](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020090684 A1

L2: Entry 4 of 11

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090684

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090684 A1

TITLE: Process for the production of amino acids

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bommarius, Andreas	Atlanta	GA	US	
Drauz, Karlheinz	Freigericht		DE	
Verseck, Stefan	Hanau		DE	

US-CL-CURRENT: [435/106](#); [435/233](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6713288 B1

L2: Entry 5 of 11

File: USPT

Mar 30, 2004

US-PAT-NO: 6713288

DOCUMENT-IDENTIFIER: US 6713288 B1

TITLE: Whole cell catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6656710 B2

L2: Entry 6 of 11

File: USPT

Dec 2, 2003

US-PAT-NO: 6656710

DOCUMENT-IDENTIFIER: US 6656710 B2

TITLE: Process for the production of amino acids using racemase and acylase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6352848 B1

L2: Entry 7 of 11

File: USPT

Mar 5, 2002

US-PAT-NO: 6352848

DOCUMENT-IDENTIFIER: US 6352848 B1

TITLE: Recombinant L-N-carbamoylase from *Arthrobacter aurescens* and method of producing L-amino acids therewith

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5608076 A

L2: Entry 8 of 11

File: USPT

Mar 4, 1997

US-PAT-NO: 5608076

DOCUMENT-IDENTIFIER: US 5608076 A

TITLE: Method of preparing amionoalkylhydantoins and aminoalkyl-alpha-amino acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: WO 9951722 A2

L2: Entry 9 of 11

File: EPAB

Oct 14, 1999

PUB-NO: WO009951722A2

DOCUMENT-IDENTIFIER: WO 9951722 A2

TITLE: RECOMBINANT L-N-CARBAMOYLASE DERIVED FROM *ARTHROBACTER AURESCENS*, AND A METHOD FOR PRODUCING L-AMINO ACIDS BY USING THE SAME

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: DE 19913741 A1

L2: Entry 10 of 11File: EPABOct 14, 1999

PUB-NO: DE019913741A1
DOCUMENT-IDENTIFIER: DE 19913741 A1
TITLE: New *Arthrobacter aurescens* recombinant L-N-carbamoylase, useful for production of amino acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: DE 19913741 A1, WO 9951722 A2, EP 1070132 A2, US 6352848 B1, JP 2002510484 W

L2: Entry 11 of 11File: DWPIOct 14, 1999

DERWENT-ACC-NO: 1999-581864
DERWENT-WEEK: 200418
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TITLE: New *Arthrobacter aurescens* recombinant L-N-carbamoylase, useful for production of amino acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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L1 same (L-amino acid)	11

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